



High Stability Upconverter 10/12

P/N L-HSU10/AFZ-DCB OR L-HSU12/AFZ-DCB

Description

The Global High Stability 70MHz to L Band Upconverter enables monitoring of 70 or 140 MHz Bus of uplink and downlink stations using an inexpensive, L Band input, receiver. The unit is particularly useful where the receiver being used does not have sufficient AFC range for the standard Global Upcon to be used or when lower data rates are being used. Test Spectrums can easily be produced, for factories and receiver test facilities, by combining the outputs of two of the HSU Upconverters. The Upconverter is available, either, in a 1U rack mount chassis or as a modular unit for "building in" or toolbox use. For extra precision an external 10MHz reference input option can be specified



Specifications

Input Centre Frequency	70 –140MHz
Output Frequency	1000MHz or 1200MHz
Conversion Loss	15dB ±2dB
Output Spurious	Less than - 60dBc (in signal band)
Phase Noise	-65dBc/Hz @ 100Hz -80dBc/Hz @ 1KHz -80dBc/Hz @ 10KHz -105dBc/Hz @ 100KHz
Output Freq. Stability	±2.5ppm –30 to +75°C relative to +25°C
Recommended I/P Level	-10dBm to –20dBm
Alarm Indication	Phase Lock Fail
Input Connector	BNC 50 or 75 Ω
Output Connector	F or BNC
Power Supply (supplied)	Universal I/P to 24V O/P
Power Consumption	24v DC @ 120mA
Power Supply Connector	2.1mm socket
Dimensions	135mm x 90mm x 25mm
Weight	1200 grams
RoSH/WEEE Compliant	YES

Other Connector configurations available upon request.

Up Converter